

KALAIKOV, Iv.

Apropos of general and specific aspects in the work of cybernetic machines and of the nervous system. Nauch. tr. vissh. med. inst. Sofia 42 no.3:117-130 '63.

1. Predstavena ot dots. d-r. G.Belikov, zam. rukovoditel na Katedrata po marksizum-leninizum, Vissh. med. inst., Sofia.

\*

KALAIKOV, Iv.

The nature of medical education. Suvr. med. (Sofia) 15  
no. 5:55-59 '64

KALAJDZIC, Bozidar  
KALAJKZIC, B.

Construction of a bridge across the Sava River near Ostruznica. (To be contd.)  
p. 11

IZGRADNJZ, Beograd, Vol 9, No. 7, July, 1955

S0: East European Accessions List, Vol 5, No. 10, Oct., 1956

RYABCHIKOV, Yevgeniy Ivanovich; KALAKUTSKAYA, M.M., otv. red.; GOLUBEVA,  
V.A., tekhn. red.

[Pilot of the stellar ship] Pilot zvezdnogo korablia. Moskva, Gos.  
izd-vo detskoi lit-ry M-va prosv.RSFSR, 1961. 46 p.  
(MIRA 14:12)

(Astronautics)

**AUTHORS:** Vel'tishcheva, V.A. (Engineer)  
 Kalakutskaya, N.A. (Cand.Tech.Sci.)  
 Nikol'skiy, N.A. (Cand.Tech.Sci.)

SOV/96-58-10-20/25

**TITLE:** The thermal conductivity of mercury (Teploprovodnost' rtuti)

**PERIODICAL:** Teploenergetika, 1958, No.10. pp. 80-82 (USSR)

**ABSTRACT:** Mercury is becoming increasingly important as a heat-transfer medium. The considerable work which has already been done on its thermal conductivity is reviewed, and errors on the part of the present authors and others are revealed. One assumption was that a layer of liquid paraffin floating on the top of mercury would prevent it from evaporating, but special tests showed that this is not so. Tests were, therefore, made in which the possibility of the evaporation of the mercury was excluded. Two methods were used, one a compensation method similar to that of Hall and Ewing, and the other a method of successive steady states developed in the Power Institute of the Academy of Science of the USSR. A diagram of the equipment used for the compensation method is given in Fig.1. The sample is a hermetically sealed cylinder of stainless steel filled with mercury. The test procedure and the measurements are stated, also the formula used to calculate the thermal conductivity. Results obtained by various methods are plotted in Fig.2., showing good agreement between the different methods. The tests cover the temperature

Card 1/2

The thermal conductivity of mercury.

SOV/96-58-10-20/25

range of 60 - 430°C. The results are 10 - 15% below those of Hall and coincide with those of Ewing over the range 150 - 540°C. An expression is given for the curve that fits the experimental results. Pressure has little effect on the thermal conductivity. A table of the most reliable values of the thermal physical properties of mercury is given. There are 2 figures, one table and 3 Soviet references.

ASSOCIATION: Power Institute, AS, USSR (Energeticheskiy Institut, AN SSSR)

Card 2/2

SOV/96-59-2-16/18

**AUTHORS:** Nikol'skiy, N.A., Candidate of Technical Sciences  
Kalakutskaya, N.A., Candidate of Technical Sciences  
Pchelkin, I.M., Engineer,  
Klassen, T.V., Engineer, and  
Vel'tishcheva, V.A., Engineer

**TITLE:** The Thermal Physical Properties of Molten Metals (Teplo-fizicheskiye svoystva rasplavlennykh metallovo)

**PERIODICAL:** Teploenergetika, 1959, Nr 2, pp 92-95 (USSR)

**ABSTRACT:** At the Power Institute Academy of Sciences USSR studies have been made of the thermal-physical properties of a number of metals and alloys in the molten condition. The extensive experimental data obtained has been critically analysed and presented in the form of tables. This article gives the thermal physical properties of mercury, lead, bismuth, tin, lithium, sodium and potassium and alloys of sodium and potassium and lead and bismuth, see tables 1 to 9. The values of specific gravity, specific heat, coefficient of thermal conductivity and coefficient of kinematic viscosity are considered to be the most reliable ones available. Test methods used to

Card 1/2

KALAKNTSKAYA, N.A.  
24(8) P.2

PHASE I BOOK EXPLOITATION

SOV/3501

Akademiya nauk SSSR. Energeticheskiy institut

Voprosy teploobmena (Heat-Exchange Problems) Moscow, 1959. 237 p. Errata slip inserted. 2,800 copies printed.

Resp. Ed.: M.A. Mikheyev, Academician; Ed. of Publishing House: G.B. Gorshkov;  
Tech. Ed.: I.F. Kuz'min.

PURPOSE: This collection of articles is intended for scientific workers, engineers, and postgraduate students specializing in thermodynamics.

COVERAGE: The collection reviews problems of heat transfer and explores possibilities of intensifying heat exchange. The heat exchange theory is outlined, and Russian scientists who contributed to its development are mentioned. Thermophysical properties of some molten metals and alloys are analyzed, and methods used to determine them presented. Equipment used for measuring thermal conductivity, heat capacity, and kinetic viscosity of these metals are discussed. Results of experimental study of the intensified heat exchange for a water flow in an annular channel are analyzed and the instruments used along with the pilot plant for studying convection heat exchange in contacting nonmiscible fluids are described. Instruments and equipment used for determining the linear expansion

Card 1/4



SOV/3501

# Heat-Exchange Problems

of metals, the consumption of a liquid, and the absorption capacity of a surface are also described and illustrated. A number of equations for solving various thermodynamic problems are presented. Each article is accompanied by references, the majority of which are Soviet.

## TABLE OF CONTENTS:

### Editorial Foreword

Mikheyev, M.A. Development of the Science of Heat Exchange During the Last Forty Years

Nikol'skiy, N.A., N.A. Kalakutskaya, I.M. Pchëlkin, T.V. Klassen, and V.A. Vel'tishcheva. Thermophysical Properties of Some Molten Metals and Alloys

Pchëlkin, I.M. Heat Capacity of Molten Metals

Sidorov, E.A. Radiation and Convection Heat Exchange in an Absorbing Medium

Fedynskiy, O.S. Intensification of Heat Exchange for the Flow of Water in an Annular Channel

Card 2/4

L 07577-67 EWT(m)/EMP(w)/EMP(t)/ETI LJP(a) ID/WH/JG/EM/OD  
 ACC NR: AT6029314 SOURCE CODE: UR/OC00/66/000/000/0092/0099

AUTHOR: Kalakutskaya, N. A.

ORG: none

TITLE: Investigation of the viscosity of liquid aluminum

SOURCE: Moscow. Energeticheskiy institut. Teploobmen v elementakh energeticheskikh ustanovok (Heat exchange in power installation units). Moscow, Izd-vo Nauka, 1966, 92-99

TOPIC TAGS: liquid metal, aluminum, fluid viscosity

ABSTRACT: Previous work on the viscosity of liquid aluminum has been limited to a temperature range from 650 to 800-900°C. The present work extends the range of investigation up to 1500°C. The experimental data were worked up by the formula:

$$\nu = \frac{1}{\pi} \left( \frac{k_0}{M \cdot R} \right)^2 \frac{(\delta - \delta_0 \frac{\tau}{\tau_0})^2}{\tau_0^2}$$

where  $\nu$  is the coefficient of kinematic viscosity;  $k_0$  is the moment of inertia of the empty system;  $M$  is the mass of the sample;  $R$  is the inside radius of the crucible;

Card 1/2

L 07577-67

ACC NR: AT6029314

$\tau_0$ ,  $\tau$  are the periods of vibration of the empty and filled systems;  $\delta_0$ ,  $\delta$  are the logarithmic decrements of the damping of the vibrations of the empty and filled systems. The experimental apparatus, shown in a detailed drawing, consisted of a high temperature electric furnace, a crucible, and a weighing system. Two series of experiments were carried out on aluminum, at temperatures extending up to 1500°C. Based on the experimental data, the values of the kinematic viscosity,  $\nu$ , for liquid aluminum were calculated for temperatures from 660 to 1500°C, and are shown in Table 2

$t, ^\circ\text{C}$	$\nu \cdot 10^6, \frac{\text{cm}^2}{\text{sec}}$	$t, ^\circ\text{C}$	$\nu \cdot 10^6, \frac{\text{cm}^2}{\text{sec}}$	$t, ^\circ\text{C}$	$\nu \cdot 10^6, \frac{\text{cm}^2}{\text{sec}}$
660	52,4	950	34,8	1250	27,7
700	48,4	1000	33,0	1300	27,0
750	45,1	1050	31,7	1350	26,5
800	42,0	1100	30,5	1400	26,0
850	39,3	1150	29,5	1450	25,5
900	36,8	1200	28,5	1500	25,0

Orig. art. has: 7 figures and 2 tables.

SUB CODE: 20// SUBM DATE: 05Apr66/ ORIG REF: 006/ OTH REF: 005

Card 2/2 LS

L 07577-67 EWT(m)/EWP(w)/EWP(t)/ETI LJP(s) JD/NH/JD/EM/GD  
ACC NR: AT6029314 SOURCE CODE: UR/0000/66/000/000/0092/0099

AUTHOR: Kalakutskaya, N. A.

ORG: none

TITLE: Investigation of the viscosity of liquid aluminum

SOURCE: Moscow. Energeticheskiy institut. Teploobmen v elementakh energeticheskikh ustanovok (Heat exchange in power installation units). Moscow, Izd-vo Nauka, 1966, 92-99

TOPIC TAGS: liquid metal, aluminum, fluid viscosity

ABSTRACT: Previous work on the viscosity of liquid aluminum has been limited to a temperature range from 650 to 800-900°C. The present work extends the range of investigation up to 1500°C. The experimental data were worked up by the formulas:

$$\nu = \frac{1}{\pi} \left( \frac{k_0}{M \cdot R} \right)^2 \frac{\left( \delta - \delta_0 \frac{T}{T_0} \right)^2}{10^3}$$

where  $\nu$  is the coefficient of kinematic viscosity;  $k_0$  is the moment of inertia of the empty system;  $M$  is the mass of the sample;  $R$  is the inside radius of the crucible;

Card 1/2

L 07577-67

ACC NR: AT6029314

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700	48,4	1000	33,0	1300	27,0
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800	42,0	1100	30,5	1400	26,0
850	39,3	1150	29,5	1450	25,5
900	36,8	1200	28,5	1500	25,0

Orig. art. has: 7 figures and 2 tables.

SUB CODE: 20// SUBM DATE: 05Apr66/ ORIG REF: 006/ OTH REF: 005

Card 2/2 LS

ZOLOTAREV, Ye.Kh.; FEDDER, M.L.; KALAKUTSKAYA, T.V.; YUDIN, I.G.; DMITRIYEV, B.A.

A study of repellents. Report No.2: Acyltetrahydroquinolines as mosquito repellents. Nauch. dokl. vys. shkoly; biol. nauki no.2: 37-40 '58. (MIRA 11:10)

1. Predstavlena kafedrami entomologii i organicheskoy khimii Moskovskogo gosudarstvennogo universiteta imeni M.V. Lomonosova i TSentral'nym nauchno-issledovatel'skim desinfektsionnym institutom Ministerstva zdavookhraneniya SSSR. (Quinoline) (Mosquitoes) (Insect baits and repellents)

**ZOLOTAREV, Ye.Kh.; KALAKUTSKAYA, T.V.**

Studying repellents. Report No.4: Acyltetrahydroquinolines  
and tetrahydrophthalates. Nauch.dokl.vys.shkoly;biol.nauki  
no.3:23-25 '58. (MIRA 11:12)

1. Predstavlena kafedroy entomologii Moskovskogo gosudarstvennogo  
universiteta imeni M.V.Lomonosova.  
(INSECT BAITS AND REPELLENTS) (TICKS)

5(3), 17(12)

AUTHORS:

Terent'yev, A. P., Kost, A. N., Zolotarev, SOV/153-58-4-9/22  
Ye.Kh, Vinogradova, Ye. V., Kalakutskaya, T. V., Yurgenson,  
I. A.

TITLE:

I.The Esters of Tetrahydro-Phthalic Acid and Its Homologs  
as Insect Repellents (I.Efirny tetragidroftalevoy kisloty  
i yeye gomologov kak insektorepellenty)

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i khimicheskaya tekhnologiya, 1958, Nr 4, pp 55 - 60 (USSR)

ABSTRACT:

Although the insect repellents have been more and more applied so far and thousands of individual preparations have been tested, neither the relation between their structure and efficiency nor their mechanism of efficiency have been definitely clarified. For these reasons the search for new means was often unsuccessful, whereas hardly a few of the thousands of tested substances were practically used. Dimethyl phthalate is the most carefully investigated and practically most applied repellent. Yet it is not efficient in any case, and large-scale use of it is limited by raw material

Card 1/4



I. The Esters of Tetrahydro-Phthalic Acid and Its  
Homologs as Insect Repellents

SOV/153-50-4-9/22

scarcity. The authors synthesized other prospective repellents: "Ind-lon", "Rudzhers-612" (in the USSR RP-52) and "Dimelon" (RP-50), which had the same effect as or a weaker effect than dimethyl phthalate on various mosquito species. RP-50 was a little more active than others. Therefore the authors investigated, according to the structural analogy, a series of esters of the tetrahydro phthalic acid (RP-1, RP-2, RP-5, RP-17, RP-20, RP-23, RP-33 and RP-51). Dimethyl, diethyl and dibutyl phthalate were used for comparison. The compounds investigated are related in structure to dimethyl phthalate, but differ by their lack of aromatic bonds in the 6-membered ring. Diene hydrocarbons and maleic anhydride, which are easily obtained by benzene or furfural-oxidation, were the raw materials used for that purpose. In summer of 1954, Ye.Kh.Zolotarev and N.A. Tamarina investigated at the Belomorskaya biologicheskaya stantsiya MGU (White Sea Biological Station of the university mentioned in the title) the effect of individual preparations on mosquitoes *Aedes communis* and *Ae. dorsalis* and cerato-

Card 2/4

I. The Esters of Tetrahydro Phthalic Acid and Its Homologs as Insect Repellents

SOV/153-58-4-9/22

pogonides of the species Culicoides. At the Ryazanskiy meditsinskiy institut imeni I.P.Pavlova (Ryazan' Medical Institute imeni I.P.Pavlov) it was found that a narcotic effect (fusel-oil drunkenness) is exercised by the dibutyl esters upon rats and rabbits. Large-scale tests in 1956 showed that the preparations **RP-1** and **RP-50** protect efficiently against the mosquitoes: *Aedes vexans*, *A. maculatus*, *A. excrucians*, *A. Cyprius*, *A. cataphylla*, *A. punctor*, *A. communis*, *A. cinereus*, *A. dorsalis*, and *Anopheles bifurcatus*. A table shows the comparative efficiency of individual repellents. It results from this that the repellents **RP-1**, **RP-17** and **RP-51**, which were investigated for the first time, are equal to dimethyl phthalate with respect to their efficiency. The efficiency degree of various mixtures of these compounds was not higher. Further investigations would be necessary only of **RP-44** (dimethyl phthalate with diethyl adipate), **RP-46** (the same with dibutyl sebacinate) and **RP-47** (the same with anisole), since they are a little longer efficient against mosquitoes. All preparations

Card 3/4

I. The Esters of Tetrahydro Phthalic Acid and Its  
Homologs as Insect Repellents

SOV/153-58-4-9/22

were investigated as to their acidity, which causes skin irritation, as is known. It was found that the introduction of a methyl or methylene group into the structure of the dimethyltetrahydro phthalate does not exert considerable influence upon the activity of the preparation. Admixtures were supplied by P.A.Moshkin, Corresponding Member, Academy of Sciences, USSR, and V.I.Lyubomilov, Candidate of Chemical Sciences. There are 1 table and 18 references, 5 of which are Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova  
(Moscow State University imeni M.V.Lomonosov) Kafedra  
organicheskoy khimii i kafedra entomologii (Chair of  
Organic Chemistry and Chair of Entomology)

SUBMITTED: November 2, 1957  
Card 4/4

ZOLOTAREV, Ye.Kh.; KALAKUTSKAYA, T.V.

Study of repellents. Report No.5: Relation between the degree of repellency and chemical structure of acyltetrahydroquinolines. Nauch.dokl.vys.shkoly; biol.nauki no.1:20-26 '59.  
(MIRA 12:5)

1. Rekomendovana kafedroy entomologii Moskovskogo gosudarstvennogo universiteta im. M.V.Lomonosova.  
(QUINOLINE) (INSECT BAITS AND REPELLENTS)

ZOLOTAREV, Ye.Kh.; SAF'YANOVA, V.M.; KALAKUTSKAYA, T.V.

Study of repellents. Report No.6: Kusol-impregnated Pavlovskii's  
nets as a means of protection against mosquitoes and black flies.  
Nauch. dokl. vys. shkoly; biol. nauki no.4:26-29 '59.  
(MIRA 12:12)

1.Rekomendovana kafedroy entomologii Moskovskogo gosudarstvennogo  
universiteta im. M.V. Lomonosova i Institutom epidemiologii i  
mikrobiologii im. N.F. Gamaleya.  
(Insect baits and repellents)  
(Quinoline)

ZOLOTAREV, Ye.Kh.; YUDIN, L.G.; KALAKUTSKAYA, T.V.; KOST, A.N.

Testing of repellents. Report No.7:219-222 '60.

(QUINOLINE)

(MIRA 13:12)

ZOLOTAREV, Ye.Kh.; KALAKUTSKAYA, T.V.

Study of repellents. Report No.9: Diethyltoluanides. Vest.Mosk.  
un.Ser.6: Biol., pochv. 15 no.3:18-21 My-Je '60. (MIRA 13:7)

1. Kompleksnaya laboratoriya po izucheniyu sredstv i sposobov,  
bor'by s vrednymi zivotnymi i boleznyami rasteniy Moskovskogo  
universiteta.

(Insect baits and repellents)  
(Toluanide)

✓  
KALAKUTSKIY, L.V.

Role of micro-organisms in the reduction of iron in soils.  
Nauch.dokl.vys.shkoly; biol.nauki no.1:225-229 '59.

(MIRA 12:5)

1. Rekomendovana kafedroy biologii pochv Moskovskogo gosudar-  
stvennogo universiteta im. M.V.Lomonosova.  
(SOILS--BACTERIOLOGY) (IRON) (REDUCTION, CHEMICAL)



KALAKUTSKIY, L.V.

Waksmania n. gen., a new genus of Actinomycetales. Mikrobiologiya 28  
no.5:655-657 S-0 '59. (MIRA 13:2)

1. Institut mikrobiologii AN SSSR.  
(ACTINOMYCES)

KALAKUTSKIY, L.V.; KRASIL'NIKOV, N.A.

Formation of sclerotia by actinomycetes and systemic position  
of the genus *Chaetia*. Trudy Inst. microbiol. no.8:45-55 '60.  
(MIRA 14:1)

(ACTINOMYCETALES)

VAN'SHEV, I.F.; KALAKUTSKIY, L.V.

Simple method of controlling vibration in microphotography. Lab.delo  
6 no.1:52-53 Ja-Fe '60. (MIRA 13:4)

1. Iz instituta mikrobiologii AN SSSR, Moskva.  
(MICROPHOTOGRAPHY)

KALAKUTSKIY, L.V.

Studies on anaerobic proactinomycetes. Report No.1: Isolation of  
pure cultures from nature. Mikrobiologiya 29 no.1:79-84 Ja-F '60.  
(MIRA 13:5)

1. Institut mikrobiologii AN SSSR.  
(NOCARDIA culture)

KALAKUTSKIY, L.V.

Studies on anaerobic proactinomycetes. Report No.2: Morphology.  
Mikrobiologiya 29 no.3:371-376 My-Je '60. (MIRA 13:7)

1. Institut mikrobiologii AN SSSR.  
(ACTINOMYCES)

KALAKUTSKIY, L. V.

Gand Bio Sci, Diss -- "On the surface structure of the aerial mycelium of actinomyces". Moscow, 1961. 20 pp, 20 cm (Bio-Soil Dept, Moscow Order of Lenin and Order of Labor Red Banner State U imeni M. V. Lomonosov), 120 copies, Not for sale (KL, No 9, 1961, p 179, No 24307).  
[61- 55899]

KALAKUTSKIY, L.V.; DUBA, V.I.

Role of micro-organisms in the process of iron reduction in soils.  
Report No. 1. Nauch. dokl. vys. shkoly; biol. nauki no. 1:172-  
176 '61. (MIRA 14:2)

1. Rekomendovana kafedroy biologii pochv Moskovskogo gosudarstven-  
nogo universiteta im. M.V. Lomonosova.  
(SOIL—IRON CONTENT) (IRON BACTERIA)

DUBA, V.I.; KALAKUTSKIY, L.V.

Role of microorganisms in reductive processes in soil. Nauch. dokl.  
vys. shkoly; biol. nauki no.2:198-201 '61. (MIRA 14:5)

1. Rekomendovana kafedroy biologii pochv Moskovskogo gosudarstvennogo  
universiteta im. M.V.Lomonosova.  
(IRON COMPOUNDS) (PSEUDOMONAS)



KRASIL'NIKOV, N.A.; KALAKUTSKIY, L.V.; KIRILLOVA, N.F.

Promicromonospora gen. nov., a new genus of ray fungi. Izv. AN  
SSSR. Ser. biol. 26 no.1:107-112 Ja-F '61. (MIRA 14:3)

1. Microbiological Institute, Academy of Sciences of the U.S.S.R.,  
Moscow.

(ACTINOMYCES)

KALAKUTSKIY, L.V.; SOKOLOV, A.A.

Heterogeneity of the membrane of airborne mycelium of violaceus.  
Mikrobiologiya 30 no.1:67-71 Ja-F '61. (MIRA 14:5)

1. Institut mikrobiologii AN SSSR.  
(ACTINOMYCES)

KALAKUTSKIY, L.V.

Effect of water vapors on the cell membrane of the air mycelium  
Actinomyces violaceus. Mikrobiologiya 30 no.2:267-270 Mr-Apr '61.  
(MIRA 14:6)

1. Institut mikrobiologii AN SSSR.  
(ACTINOMYCES)

KALAKUTSKIY, L.V.

Study of anaerobic proactinomyces; culture and physiological properties.  
Mikrobiologiya 30 no.5:921-927 8-0 '61. (MIRA 14:12)

1. Institut mikrobiologii AN SSSR.  
(PROACTINOMYCES)

KALAKUTSKIY, L. V.

Reflection of plane-polarized light by cells of the aerial  
mycelium of violaceus 829. Mikrobiologiya 30 no.3:409-413  
My-Je '61. (MIRA 15:7)

1. Institut mikrobiologii AN SSSR.

(ACTINOMYCES) (REFLECTION(OPTICS))

KALAKUTSKIY, L.V.

"Actinomycetes" by S.A. Waksman. Reviewed by L.V. Kalakutskii.  
Mikrobiologiya 32 no.5:918-922 S-0'63 (MIRA 17:2)

KALAKUTSKIY, L.V.

"Microbial classification; Twelfth Symposium of the Society of  
General Microbiology." Reviewed by L.V. Kalakutskii. *Mikrobiologiya* 32 no.1:120-124, 1983  
(MIRA 17:3)

KALAKUTSKIY, L.V.

Third Congress of the Czechoslovak Microbiological Society.  
Mikrobiologiya 33 no.2:374-375 Mr-Apr '64. (MIRA 17:12)



KALAKUTSKIY, L.V.; KUZNETSOV, V.D.

A new species of the genus Actinoplanes Couch: Actinoplanes armeniacus n. sp., and some characteristics of its spore formation. Mikrobiologiya 33 no.4:613-621 J1-Ag '64.

(MIRA 18:3)

1. Institut mikrobiologii AN SSSR i Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov Ministerstva zdravookhraneniya SSSR (VNNIIA).

FALAVITSKIY, L.V.

New species of the genus Micropolyspora - Micropolyspora caesia  
n. sp. Mikrobiologiya 33 no.5:858-862 5-0 '64. (MIRA 18:3)

1. Institut mikrobiologii AN SSSR.

KALAKUTSKIY, L.V.; KIRILLOVA, N.F.

Germination of spores of actinomycetes on "previously used" media.  
Mikrobiologiya 34 no.1:163-170 Ja-F '65.

(MIRA 18:7)

1. Institut mikrobiologii AN SSSR.

KALAKUTSKIY, L.V.; RZHEGACHEK, Z. [Rehacek, Z.]

Benzidine method for detecting cytochromes in microbial cells.  
Mikrobiologiya 34 no.2:366-369 Mr-Apr '65.

(MIRA 18:6)

1. Institut mikrobiologii AN SSSR, Moskva i Institut mikrobiologii  
Chekhoslovatskoy Akademii nauk, Praga.

1. N. V. KALAKUTSKIY, A. YA. CHERNYAK, D. M. NAKHIMOV
  2. USSR (600)
  4. A. Ya. Chernyak
  7. "Russian scientist metallographer. Reviewed by Kh. I. Muratov. I. S. Kosov. Vest. mash. 32 no. 11. 1952.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

VETCHINKIN, V.P.; KOGAN, F.M.; KALAKUTSKIY, V.A., red.; SUKHOVTSEVA, M.D..  
tekhn.red.

[New formulas of numerical quadratures] Novye formuly chislennykh  
kvadratur. Moskva, Gos.izd-vo tekhniko-teoret.lit-ry, 1949. 71 p.  
(MIRA 13:8)

(Numerical calculations)  
(Curves--Rectification and quadrature)

KHOROSHIY, Izrail Samoylovich; SOROKIN, Nikolay Vasil'yevich;  
KALAKUTSKIY, Vladimir Aleksandrovich; SHPOLYANSKAYA,  
L.M., otv. za vyp.; AVERINA, T.I., red.; SHEVTSOV, V.D.,  
red.; GOLUBKOVA, L.A., tekhn. red.

[Assembling precast reinforced concrete structures of the  
silo housing of elevators] Montazh sbornyykh zhelezobeton-  
nykh konstruktsii silosnykh korpusov elevatorov. Pod red.  
V.D.Shevtsova. Moskva, Zagotizdat, 1962. 83 p.

(MIRA 17:2)

BROYDO, N.F.; POLYAKOV, L.K., inzh., retsenzents; KALAKUTSKIY, V.Ye.,  
inzh., red.; MITARCHUK, G.A., red.izd-va; SHCHETININA,  
L.V., tekhn. red.; PETERSON, M.M., tekhn. red.

[Devices of a unified pneumatic control system in automatic  
control circuits] Pribory pnevmaticheskoi unifitsirovannoi  
sistemy v skhemakh avtomatizatsii. Moskva, Mashgiz, 1963.  
142 p. (MIRA 16:10)

(Pneumatic control--Equipment and supplies)



KALAL, J.

KALAL, J. Effect of waves on a dam with a vertical face. p. 228.

Vol. 5, No. 7/7a, July 1955

VODNI HOSPODARSTVI

TECHNOLOGY

Praha, Czechoslovakia

So: East European Accessions, Vol. 5, No. 5, May 1956

KALAL, J.

KALAL, J. Dimensions of waves on lakes and water reservoirs. p. 341.

Vol. 5, No. 10, Oct. 1955

VODNI HOSPODARSTVI

TECHNOLOGY

Praha, Czechoslovakia

So: East European Accessions, Vol. 5, No. 5, May 1956

ZACHOVAL, J.; KALAL, J.; VERUOVIC, B.

On the nature of complex catalysts from cobalt (III)-chloride, pyridine and diethylaluminum chloride for the stereospecific butadiene polymerization. Coll Cz Chem 28 no. 12:3450-3451 D '63.

1. Technische Hochschule fur Chemie, Prag.

KALAL, J.

"Telomerization and new synthetic materials" by R.Kh. Freidlina  
[Freydlina, R.Kh.] and Sh.A. Karapetyan. Reviewed by J. Kalal. Chem  
listy 56 no.12:1473-1474 D '62.

RUZICKA, Vlastimil; KALAL, Jaroslav; SMURZ, Zdenek

Contribution to the study of catalysts prepared by the decomposition of mixed salts. V.Catalytic hydrogenation of nitrobenzene to aniline in vapor phase at normal pressure. Sbor chem tech 4 no.2:473-489 '60. (HEAT 10:9/10)

1. Katedra organické technologie, Vysoká škola chemicko-technologická, Praha.

(Catalysts) (Salts) (Nitrobenzene) (Aniline)

L 17247-63

EWP(j)/BDS--AFFTC/ASD--Pc-4--RM/WW

ACCESSION NR: AP3002541

Z/0009/63/000/006/0325/0327

AUTHOR: Kalal, Jaroslav; Horak, Vladimir

TITLE: Epoxy resins prepared by phase boundary reaction

SOURCE: Chemicky prumysl. no. 6, 1963, 325-327

TOPIC TAGS: condensation, phase boundary, epichlorhydrin solvent, infrared spectrum, epichlorhydrin

ABSTRACT: Long reaction times in the manufacture of epoxy resins prepared by the usual methods are an important obstacle to continuous production. The authors studied the possibility of shortening the reaction time by using "condensation at the phase boundary," and found this method to be simple and more rapid than the usual ones. Resins with both low and medium molecular weight can be prepared in this way. The content of epoxy groups is mostly influenced by the initial ratio of monomers, their concentration in the phase, and the kind of solvent for epichlorhydrin. It is not substantially affected by the reaction temperature or rate of mixing. The fractions obtained from the

Card 1/2

L 17247-63  
ACCESSION NR: AP3002541

samples did not differ essentially from similar laboratory samples prepared by the ordinary method. The infrared spectra were compared with the spectrum published for a typical liquid resin of the same type and found not to differ pronouncedly. Orig. art. has: 5 graphs and 4 tables.

ASSOCIATION: Vysoka skola chemickotechnologicka, Prague (Chemotechnological College)

SUBMITTED: 21Feb63

DATE ACQ: 15Jul63

ENCL: 00

SUB CODE: CH, MA

NO REF SOV: 002

OTHER: 006

Card 2/2

VERUOVIC, Budimir; KALAL, Jaroslav; ZACHOVAL, Jaromir

Butadiene polymerization through the action of diethylaluminum chloride and cobalt acetylacetonate. Chem prum 15 no.1:22-25  
Ja '65.

1. Chair of Macromolecular Chemistry of the Higher School  
of Chemical Technology, Prague.



KALAL, Miloslav

Television studio technique and live transmission cars in  
Montreux. Sdel tech 11 no.11:413-414 N°63.

KALAL, V.

CZECHOSLOVAKIA / Farm Animals. Rabbits.

U-7

Abs Jour : Ref Zhur - Biologiya, No 16, 1957, 72114

Author : Kalal, V.

Title : Rabbit Breeding in Czechoslovakia, Its Development, Present State and Outlook.

Orig Pub : Chovatel, 1956, No 11, 170 ps.

Abstract : No abstract.

Card : 1/1

- 38 -

KALALOVA, E.; RUZICKA, V.

Contribution to the study of catalyzers produced by decomposition of mixed salts. Part 7 : Decomposition of copper(II)-formate and calcium formate, and their mixtures by heat. Coll Cz Chem 27 no.2:424-429 F '62.

1. Institut für anorganische Chemie und Institut für organische Technologie, Technische Hochschule für Chemie, Prag.

S/081/63/000/001/019/061  
B101/B186

AUTHORS: Kalálová, E., Růžicka, V.

TITLE: Contributions to the study of catalysts produced by decomposition of mixed salts. VII. Thermal decompositions of copper (II) formate and calcium formate and their mixtures

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 1, 1963, 84, abstract 1B577 (Collect. Czechoslov. Chem. Commun., v. 27, no. 2, 1962, 424 - 429 [Ger.; summary in Russ.])

TEXT: The thermal decomposition of  $\text{Cu}(\text{HCOO})_2$  (I),  $\text{Cu}(\text{HCOO})_2 \cdot 4\text{H}_2\text{O}$  (II),  $\text{Ca}(\text{HCOO})_2$  (III), and mixtures of these substances was studied. A method was developed for producing catalysts from mechanical mixtures of III with I or II.  $\text{CuO}$ , and then  $\text{Cu}$ , are formed on heating I and II in vacuo, in  $\text{CO}_2$  or in water vapor. For a previous communication, see RZhKhim, 1960, no. 15, 60622. [Abstracter's note: Complete translation.] ✓

Card 1/1

HORAK, F.; KALAMAR, J.

New synthesis of an isomer of vitamin K3 (6-methyl-1,4-naphthoquinone). Cesk. farm. 12 no.8:410-411 0'63.

1. Katedra organickej technologic, Chemicka fakulta SVST, Bratislava.

\*

HORAKOVA, O.; KALAMAR, J.; SOPINSKA, M.; HORAK, F.

The presence of alpha-lipoic acid in natural substances. Cesk.  
farm 13 no.3:107-110 Mr'64.

1. Slovensky ustav pro doskolovani lekaru, Bratislava; Katedra  
biochimie farmaceuticke fakulty a katedra organicke technologie  
chemicke fakulty UK, Bratislava.

\*

1. 45361-66 EWP(j) RM/JW

ACC NR: AP6033608

SOURCE CODE: CZ/0043/66/000/001/0079/0084

AUTHOR: Kalamar, Julius--Kalamar, Yu. (Engineer; Candidate of sciences; Bratislava);  
Ryban, Bernard (Engineer; Bratislava) 29  
B

ORG: Department of Organic Technology, Slovak Technical University, Bratislava  
 (Katedra organickej technologic Slovenskej vysokej skoly technickej)

TITLE: Synthesis of substituted benzhydrylamines by Leuckart's reaction

SOURCE: Chemicke zvesti, no. 1, 1966, 79-84

TOPIC TAGS: chemical synthesis, amine, substituent

ABSTRACT: The authors developed a modification of the Leuckart reaction for the preparation of substituted benzhydrylamines using benzophenones, formic acid, and urea as raw materials in the presence of small amounts of a Ni catalyst. 17 different chemicals were prepared; out of these 8 were not previously described. The yields of the amines, related to benzophenones varied between 59 and 95%. The authors thank M. Zemanikov, Department of Analytical Chemistry, SVST for carrying out the analysis. Orig. art. has: 1 table. [Based on authors' ~~Eng.~~ abst.] [JPRS: 34,805]

SUB CODE: 07 / SUBM DATE: 29Apr65 / SOV REF: 001 / OTH REF: 019

Card 1/1 *aurm*

KALAMARAS, E.

STANKOVSKI, M.; KALAMARAS, E.

Treatment of puerperal stasis of the breast with posterior  
pituitary gland extracts. Med. glasn. 10 no.10:419-420 Oct 56.

1. Universitetska ginekolosko-akuserska klinika Medicinskog  
fakulteta u Skoplju (direktor prof. dr. M. Beric).

(PITUITARY GLAND, POSTERIOR, hormones,  
ther. of breast stasis in puerperium (Ser))

(BREAST, dis.  
stasis in puerperium, ther., posterior pituitary  
extracts (Ser))

(PUERPERIUM, compl.  
breast stasis, ther., posterior pituitary extracts (Ser))



KALAMARAS, E.

BULGARIA/Pharmacology and Toxicology. Tranquilizers

V-2

Abs Jour : Ref Zhur - Biol., No 15, 1958, No 71085

Author : Lazarov A., ~~Kalamaras Ye.~~, Shokhpazov

Inst : -

Title : The Use of Largactyl in the Postoperative Period

Orig Pub : Maked. med. pregl., 1957, 12, No 5-8, 26-30

Abstract : No abstract

Card : 1/1

SAMOSUDOVA, N.V.; KALAMAROVA, M.V.; OGIEVETSKAYA, M.M.

Localization of actin and tropomyosin in extracted and intact myo-  
fibrils. Biofizika 10 no.2:268-271 '65. (MIRA 18:7)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.

KALAMARZ, Emil

A study of poultry lice (Mallophaga) occurring on hens (Gallus domesticus) on poultry farms in the Olsztyn Province area. Wiadomosci parazyt. 7 no.2:371-372 '61.

1. Katedra Zoologii WSR, Olsztyn.

(LICE) (POULTRY parasitol)

KALAMARZ, E.

~~\_\_\_\_\_~~ Attachment for copying prints and hatch drawings. Wzechswiat  
no.5:121 My '63.

KALAMIN, A.I.

KALAMIN, A.I.

"Soil Treatment of Gardens, Berry Gardens, and  
Vineyards in Relation to the Propagation of Root Systems." Cand Agr  
Sci, Moscow Order of Lenin Agricultural Academy imeni K. A. Timiryazev,  
Moscow, 1955. (KL, No 12, Mar 55)

SO: Sum. No. 670, 29 Sep 55 - Survey of Scientific and Technical Dis-  
sertations Defended at USSR Higher Educational Institutions (15)

KALAMIN, A.I.

The KSR-10 potato grader. Sel'khoz mashina no. 5:5-8 My '55.  
(MIRA 8:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyay-  
stvennogo mashinostroyeniya.  
(Potatoes--Grading) (Agricultural machinery)

KALAMIN, A. I.

KALAMIN, A. I.: "Working the soil in gardens, berry patches, and vineyards in connection with the distribution of the root system."  
Moscow Order of Lenin Agricultural Academy imeni K. A. Timiryazev.  
Moscow, 1956.  
(Dissertation for the Degree of Candidate in Agricultural Sciences.)

Knizhnaya letopis', No. 30, 1956. Moscow

KALAMIN, A.I.

Pressing hay with a high moisture content. Sel'khozmaschina  
no.6:18-19 Je '57. (MIRA 10:7)

(Hay--Harvesting)



KALAMIN, A.I.

KALAMIN, A.I.; KHANYAYEV, B.

Results of potato digger tests in 1956. Sel'khozmaschina no.10:19-22  
0 157. (MLRA 10:9)

1. Vnepozyuzayy nauchno-issledovatel'skiy institut sel'sko-  
khosyaystvennogo mashinostroyeniya.  
(Potato diggers)

KALAMIN, A. I.: Master Agric Sci (diss) -- "Soil working in orchards, berry patches and vineyards in connection with the distribution of root systems". Moscow, 1958. 17 pp (Moscow Order of Lenin Agric Acad in K. A. Timiryazev), 110 copies (KL, No 5, 1959, 153)

KALAMIN, A.I.

The KSR-10 potato grading machine. Biul.tekh.-ekon.inform. no.9:61-63  
'58. (MIRA 11:10)

(Potato) (Agricultural machinery)

**KALAMIN, A.I.,** mladshiy nauchnyy sotrudnik

Economic efficiency of the KSP-10 potato-sorting machine.

Trakt. i sel'khoz mash. no.1:22-24 Ja '59. (MIRA 12:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyay-  
stvennogo mashinostroyeniya.

(Potatoes) (Agricultural machinery)

KALAMIN, A.I.

"Kuch" potato sorter. Trakt. 1 sel'khoz mash. 30 no.8:45-46 Ag '60.  
(MIRA 13:8)

(Potatoes—Grading)

KALAMIN, A.I., kand. sel'skokhoz.nauk

Performance of potato sorters. Trakt. i sel'khoz mash. 30 no. 7:24-27  
Jl'60. (MIRA 13:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennogo  
mashinostroyeniya.

(Potatoes--Grading)

KALAMIN, Aleksey Ivanovich; GORBUNOV, V.R., inzh., ratsenzent; NELYUBOVA,  
Ye.I., red.izd-va; UVAROVA, A.F., tekhn. red.

[Machines for grading potatoes] Mashiny dlia sortirovaniia karto-  
felia. Moskva, Mashgiz, 1961. 83 p. (MIRA 14:11)  
(Potatoes—Grading) (Agricultural machinery)

KALAMIN, A.I., kand.sel'skokhoz.nauk; BYKARSKIY, Ye., inzh.

KPR-5 potato sorting machine. Trakt.i sel'khoz mash. 31  
no.9:33-34 S '61. (MIRA 14:10)  
(Potatoes--Grading)



KALAMIN, A.I., kand. sel'skokhoz. nauk; KOCHENENKO, D.V., kand. sel'skokhoz. nauk

Studying the working surfaces of potato sorting machines.  
Trakt. i sel'khoz mash. 33 no.11:27-29 N '63.

(MIRA 17:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy inatitut sel'skokhozyaystvennogo mashinostroyeniya.

KALAMIN, A.I.

Conference on the mechanization of potato growing and harvesting.  
Trakt. 1 sel'khoz mash. 33 no.7:48 JI. '63. (MIRA 16:11)

PETROV, G.D.; FIRSOV, N.V.; KOLCHIN, N.N.; KALAMIN, A.I.; KUCHERENKO, N.Ye.;  
ANIKEYENKO, A.I.

Mechanization of potato storing and prospects for its development.

Trakt. i sel'khoz mash. no. 7: 22-24 JI '64.

(MIRA 18:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennogo mashinostroyeniya, Moskva (for Petrov, Firsov, Kolchin, Kalamina). 2. Nauchno-issledovatel'skiy institut trgovli i obshchestvennogo pitaniya (for Kucherenko). 3. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy trgovli i obshchestvennogo pitaniya (for Anikeyenko).

KALAMIN, A.I., kand. sel'skokhoz. nauk

Review of the book "Mechanization of work in orchards, vine-  
yards, berry plots, and nurseries." Trakt. i sel'khoz. mash.  
no.12:43-44 D '64 (MIRA 18:2)

KALAMKAROV, Kh.A., aspirant

Histological changes in the paradontium of a dog caused by  
traumatic overloading of certain teeth. Stomatologiya 37 no.2:55-57  
Mr-Apr '58. (MIRA 11:5)

1. Iz kafedry ortopedicheskoy stomatologii (sav.-prof. V.Yu.  
Kurlyandskiy) Moskovskogo meditsinskogo stomatologicheskogo  
instituta (dir.-dotsent G.N. Beletskiy).  
(GUMS)

KALAMKAROV, Kh. A., kand. med. nauk; POGODIN, V. S., assistant

Effectiveness of applying prosthesis to edentulous jaws while  
taking impressions by Vainshtein's method. Trudy KMI no.2:  
182-190 '60. (MIRA 15:7)

1. Iz kafedry ortopedicheskoy stomatologii - zav. kafedroy dotsent  
M. A. Solomonov.

(DENTAL PROSTHESIS)

KALAMKAROV, Kh. A., kand. med. nauk; POGODIN, V. S., assistant

Taking impressions from edentulous jaws and determining centric occlusion in one visit. Trudy KGMI no.2:191-195 '60.  
(MIRA 15:7)

1. Iz kafedry ortopedicheskoy stomatologii - zav. kafedroy  
dtsent M. A. Solomonov.

(DENTAL PROSTHESIS)

KALAMKAROV, Kh. A., kand. med. nauk

Clinical and X-ray changes in the amphodontium (parodontium)  
during the use of bracket prostheses. Trudy KGMI no.2:207-214  
'60. (MIRA 15:7)

1. Iz kafedry ortopedicheskoy stomatologii - zav. kafedroy  
dotsent M. A. Solomonov.

(DENTAL PROSTHESIS) (GUMS)



KALAMKAROV, Kh.A., dotsent

Immediate and late results of treating functional overload  
of teeth. Stomatologiya 42 no.4:68-72 71-86 (MIRA 17:4)

1. Iz kafedry ortopedicheskoy stomatologii ( sav. - prof.  
Ye.I.Gavrilov) Kalininskogo meditsinskogo instituta (rektor -  
dotsent A.N. Kushiyeu).

CHARYGIN, M. M.; VASIL'YEV, Yu. M.; KALAMKAROV, L. V.

"Some peculiarities of oil and gas distribution in salt domes of the world."

report submitted for 22nd Sess, Intl Geological Cong, New Delhi, 14-22 Dec 1964.

KALAMKAROV, L.V.

Certain regularities in the distribution of oil and gas fields  
in the Gulf coast region and the Caspian Lowland. Geol.nefti i  
gaza 6 no.5:30-36 My '62. (MIRA 15:5)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti  
im. akademika Gubkina.  
(Gulf Coast--Petroleum geology) (Gulf Coast--Gas, Natural--Geology)  
(Caspian Lowland--Petroleum geology)  
(Caspian Lowland--Gas, Natural--Geology)

KALAMKAROV, L.V.; VASIL'YEV, Yu.M.; CHARYGIN, M.M.

Distribution of petroleum and gas in salt dome regions. Geol.  
nefti i gaza 7 no.3:23-31 Mr '63. (MIRA 16:4)

(Petroleum geology)  
(Gas, Natural—Geology)  
(Salt domes)

VASIL'YEV, Yu.M.; KALAMKAROV, L.V.

Types of oil and gas pools in the salt-dome regions of the Gulf  
Coast and the Caspian Sea region. Trudy MINKHIGP no.43:217-232  
'63. (MIRA 17:4)

CHARYGIN, Mikhail Mikhaylovich, doktor geol.-miner. nauk;  
VASIL'YEV, Yuriy Mikhaylovich, kand. geol.-miner. nauk;  
KALAMKAROV, L.V.; MIL'NICHUK, V.S.; SKVORTSOV, I.I.;  
BOGACHEVA, N.G., ved. red.

[Regularities in the distribution of oil and gas in the  
Caspian Lowland] Zakonomernosti raspredeleniia nefi i ga-  
za v Prikaspiiskoi vpadine. [By] M.M.Charygin i dr. Mo-  
skva, Izd-vo "Nedra," 1964. 254 p. (MIRA 17:7)

GOLODOVSKIY, Yakov Yeoshmyevich; ISPOLATOV, Yuriy Veniaminovich;  
KALAMKAROV, Rafael' Grigor'yevich; PODKOLZIN, Aleksey Vasil'ya-  
vich; RUMYANTSEV, Vladimir Alekseyevich; PERLINA, V.S., red.;  
OKUNEV, Yu.K., podpolkovnik, red.; MEDNIKOVA, A.N., tekhn.red.

[The ZIL-157 motortruck] Avtomobil' ZIL-157. Moskva, Voen.  
izd-vo M-va obr.SSSR, 1960. 327 p. (MIRA 13:11)

1. Russia (1923- U.S.S.R.) Avtotraktornoye upravleniye.  
(Motortrucks)

KALAMKAROV, V. A.

AID - P-156

Subject : USSR/Engineering

Card : 1/1

Author : Kalamkarov, V. A.

Title : Maximum Increase of Efficiency in the Recovery of Oil Reserves in the Azerbaydzhan Region as the Major Problem in the Oil Producing Industry

Periodical : Neft. khoz., v. 32, #1, 8-16, Ja 1954

Abstract : Systematic flooding and pumping out of water from certain geological strata are described as the effective method for increase of the efficiency of production.

Institution : None

Submitted : No date

*Dep. Min. of USSR Petroleum Industry*



~~SECRET~~  
KALAMKAROV, V.A.; NOTKIN, D.I.

~~For~~ further development of the petroleum industry in the U.S.S.R.  
Neft. khoz. 36 no.1:1-8 Ja '58. (MIRA 11:2)

1. Gosplan SSSR.

(Petroleum industry)

KALAMKAROV, V.

More petroleum and natural gas. WFO no.8:13-15 Ag '59.

(MIRA 12:11)

1. Chlen Gosplana SSSR.

(Petroleum industry)

(Gas, Natural)

KALAMKAROV, V.A.

Basic assignments in the development of the petroleum and gas industries for 1959-1965. Neft. khoz. 37 no.1:1-12 Ja '59.

(MIRA 12:3)

1. Gosplan SSSR.

(Petroleum industry) (Gas, Natural)

KALAMKAROV, Vartan Aleksandrovich; STRIZHOV, N.I., red.; ISAYEVA, V.V.,  
vedushchiy red.; FEDOTOVA, I.G., tekhn.red.

[Technical progress in the petroleum and gas industries] Tekhni-  
cheskii progress v neftianoi i gazovoi promyshlennosti. Moskva,  
Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1960.  
33 p. (MIRA 13:3)

(Petroleum industry) (Gas, Natural)